



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

Methods and Systems of Producing Monoolefins by the
Extraction-Hydrogenation of Highly Unsaturated
Hydrocarbons

Application Number: 10/712686
Confirmation Number: 9092
First Named Applicant: Tin-Tack Cheung
Attorney Docket Number: 4081-04300
Art Unit: 1764
Search string: (3477962 or 3651167 or 3666412 or 3755488
or 3948808 or 3957688 or 4128595 or 4191846
or 4227025 or 4484015 or 4906800 or 5413984
or 5475173 or 5489565 or 6127588 or
6635600).pn.



US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3477962	1969-11-11	Kardys		252	412
	2	3651167	1972-03-21	de Rosset		260	681.5
	3	3666412	1972-05-30	Sowards		23	162
	4	3755488	1973-08-28	Johnson et al.		260	677A
	5	3948808	1976-04-06	Box Jr. et al.		252	462
	6	3957688	1976-05-18	Farha Jr. et al.		252	455 R
	7	4128595	1978-12-05	Montgomery		260	677 H
	8	4191846	1980-03-04	Farha Jr. et al.		585	440
	9	4227025	1980-10-07	Montgomery		585	259
	10	4484015	1984-11-20	Johnson et al.		585	262
	11	4906800	1990-03-06	Henry et al.		585	260
	12	5413984	1995-05-09	Marecot et al.		502	333
	13	5475173	1995-12-12	Cheung et al.		585	259
	14	5489565	1996-02-06	Cheung et al.		502	325

	15	6127588	2000-10-03	Kimble et al.	585	260
	16	6635600	2003-10-21	Kimble et al.	502	330

Signature

Examiner Name	Date



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/712,686
Filing Date	November 13, 2003
First Named Inventor	Peter Cheung
Art Unit	1764
Examiner Name	
Attorney Docket Number	33735US

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
M	AA	US- 6,040,489	3/21/2000	Imai	
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			
	AS	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
M	BA	EP 0722776	7/24/1996	Phillips Petroleum Co.		
D	BB	GB 832,639	4/13/1960	Phillips Petroleum Co.		
D	BC	GB 1,204,556 GB 1,403,556	8/20/1975	Linde Aktiengesell-Scha		
	BD					
	BE					
	BF					

Examiner
Signature

MPC

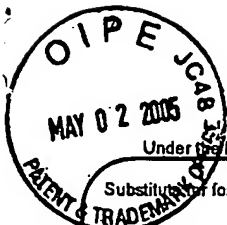
Date
Considered

MPC/06

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/088 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute form 1449/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Attorney Docket Number

33735US

NON PATENT LITERATURE DOCUMENTS

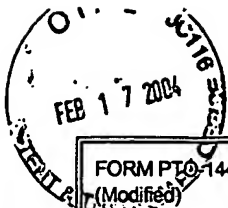
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DM	CA	PCT International Search Report, PCT/US2004/038132, March 23, 2005	
	CB		
	CC		
	CD		
	CE		
	CF		
	CG		
	CH		
	CI		
	CJ		

Examiner Signature	<i>DM</i>	Date Considered	11/10/06
-----------------------	-----------	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
33735US (4081-04300)

SERIAL NO.
10712,686

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FOR: Methods and Systems of Producing Monoolefins by
the Extraction-Hydrogenation of Highly Unsaturated
Hydrocarbons

APPLICANTS: Tin-Tack Peter Cheung, et al.

FILING DATE: November 13, 2003

GROUP 1764

U. S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date (If Appropriate)
	AA						
	AB						
	AC						
	AD						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

			Document Number	Publication Date (dd/mm/yyyy)	Country or Patent Office	Class	Sub-Class	Translation Yes	No
M	W	O	0 0 6 4 8 4 6	02/11/2000	PCT				
	F	R	2 7 2 0 9 5 6	15/12/1995	France				

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

Examiner

DPNG

Date Considered

2/22/06

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

Methods and Systems of Producing Monoolefins by the
Extraction-Hydrogenation of Highly Unsaturated Hydrocarbons

Application Number: 10/712686

10/712686

Confirmation Number: 9092

First Named Applicant: Tin-Tack Cheung

Attorney Docket Number: 4081-04300

Art Unit: 1764

Search string: (3477962 or 3651167 or 3666412 or 3755488 or 3948808 or
3957688 or 4128595 or 4191846 or 4227025 or 4484015 or
4906800 or 5413984 or 5475173 or 5489565 or 6127588 or
6635600).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<i>M</i>	1	3477962	1969-11-11	Kardys		252	412
<i>M</i>	2	3651167	1972-03-21	de Rosset		260	681.5
<i>M</i>	3	3666412	1972-05-30	Sowards		23	162
<i>M</i>	4	3755488	1973-08-28	Johnson et al.		260	677A
<i>M</i>	5	3948808	1976-04-06	Box Jr. et al.		252	462
<i>M</i>	6	3957688	1976-05-18	Farha Jr. et al.		252	455 R
<i>M</i>	7	4128595	1978-12-05	Montgomery		260	677 H
<i>M</i>	8	4191846	1980-03-04	Farha Jr. et al.		585	440
<i>M</i>	9	4227025	1980-10-07	Montgomery		585	259
<i>M</i>	10	4484015	1984-11-20	Johnson et al.		585	262
<i>M</i>	11	4906800	1990-03-06	Henry et al.		585	260
<i>M</i>	12	5413984	1995-05-09	Marecot et al.		502	333
<i>M</i>	13	5475173	1995-12-12	Cheung et al.		585	259
<i>M</i>	14	5489565	1996-02-06	Cheung et al.		502	325
<i>M</i>	15	6127588	2000-10-03	Kimble et al.		585	260
<i>M</i>	16	6635600	2003-10-21	Kimble et al.		502	330

Signature

Examiner Name	Date
<i>[Signature]</i>	<i>4/20/06</i>